10006526-1

į

2

3

4

5

6

7

8

٠9

10

1-8

19 20

21

22 23

> 24 25

26 27 **CLAIMS**

- 1. An apparatus comprising:
 - at least one processor;
- a memory coupled to the processor, wherein the memory stores non-object oriented data; and

a mapping software residing in memory, wherein the processor executes the mapping software to map an object onto the non-objected oriented data located in the memory without requiring any substantial memory in addition to a portion of the memory storing the nonobject oriented data.

- 2. The apparatus of claim 1 wherein the data is mapped with zero size memory.
- 3. The apparatus of claim 1 wherein the non-object oriented data is stored within a legacy data structure.
- 4. A method for retrieving non-object oriented data from within an object oriented model, the method comprising the steps of:

loading memory with non-object oriented data;

- mapping an object oriented model onto a memory space occupied by the nonobject oriented data without requiring substantial additional memory space; and
- retrieving a non-object oriented data element from the memory in the object oriented model.
 - 5. The method of claim 4 wherein the step of mapping further comprising: inheriting the non-object oriented data from memory.



10006526-1

1	6.	The method of claim 5 wherein the step of mapping further comprising:
2		creating a class from the non-object oriented data.
3		
4	7.	The method of claim 6 wherein the step of mapping further comprising:
5		instantiating an instance of the class.
6		
7	8.	The method of claim 7 wherein the step of instantiating occurs through static casting.
8		
9	9.	The method of claim 4 wherein the step of mapping further comprising:
<u>1</u> 0		accessing the non-object oriented data using a object oriented model.
Ą		
	10.	The method of claim 4 wherein the step of retrieving occurs with zero size memory.
<u>+</u> 3		
14	11.	The method of claim 4 wherein the non-object oriented data are stored within a
15	legacy data s	tructure.
16		
17	12.	A method for retrieving non-object oriented data from within an object oriented
18	model, the method comprising the steps of:	
19		loading memory with non-object oriented data;
20		mapping an object oriented model onto a memory space occupied by the non-
21	object oriente	ed data located in the memory without requiring any substantial memory in addition to a
22	portion of the	e memory storing the non-object oriented data;
23		retrieving a non-object oriented data element from the memory in the object
24	oriented mod	lel.
25		
26	13.	The method of claim 12 wherein the step of mapping further comprising:
27		inheriting the non-object oriented data from memory.



10006526-1

I
2
3
4
5
6
7
8
. 9
19
20
21
22
23
24
25
26
27
28

29

- 14. The method of claim 13 wherein the step of mapping further comprising: creating a class from the non-object oriented data.
- 15. The method of claim 14 wherein the step of mapping further comprising: instantiating an instance of the class.
- 16. The method of claim 15 wherein the step of instantiating occurs through static casting.
- 17. The method of claim 12 wherein the step of mapping further comprising: accessing the non-object oriented data using a object oriented model.
- 18. The method of claim 12 wherein the step of retrieving occurs with zero size memory.
- 19. The method of claim 12 wherein the non-object oriented data are stored within a legacy data structure.